Title (en)

INFRARED-TRANSMITTING GLASS SUITABLE FOR MOLD FORMING

Title (de)

INFRAROTDURCHLÄSSIGES GLAS ZUM FORMEN IN EINER GUSSFORM

Title (fr)

VERRE TRANSMETTANT LE RAYONNEMENT INFRAROUGE CONVENANT À LA FORMATION DE MOULE

Publication

**EP 3279156 B1 20191120 (EN)**

Application

**EP 16773169 A 20160331**

Priority

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Abstract (en)

[origin: EP3279156A1] The present invention provides an infrared-transmitting glass that is a chalcogenide glass, has a reduced Ge content, can sufficiently cover atmospheric windows, is free from highly toxic elements, such as Se and As, and is suitable for mold forming. Specifically, the present invention provides an infrared-transmitting glass suitable for mold forming, comprising, in terms of molar concentration: 0 to 2% of Ge, 3 to 30% of Ga, 10 to 40% of Sb, 45 to 70% of S, 3 to 30% of at least one member selected from the group consisting of Sn, Ag, Cu, Te, and Cs, and 0 to 30% of at least one member selected from the group consisting of Cl, Br, and I.

IPC 8 full level

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DOCDB simple family (application)

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